

## EAST Search History

| Ref # | Hits | Search Query                            | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 1125 | 349/65                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:33 |
| L2    | 516  | 349/95                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:33 |
| L3    | 30   | 349/95 and 349/65                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:33 |
| L4    | 30   | 349/95 and 349/65 and<br>@ad<"20031229" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:34 |
| L5    | 2865 | 362/31                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:35 |
| L6    | 1731 | 362/26                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:35 |
| S1    | 937  | 349/65                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2006/07/14 11:33 |
| S2    | 426  | 349/95                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/10/11 12:34 |

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|     |        |                      |   |    |    |                  |
|-----|--------|----------------------|---|----|----|------------------|
| S3  | 26     | S1 and S2            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S4  | 2520   | 362/31               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/14 11:35 |
| S5  | 1543   | 362/26               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/07/14 11:35 |
| S6  | 985    | lens and S4          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S7  | 514    | lens and S5          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 15:52 |
| S8  | 6      | micro-lens and S5    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S9  | 28     | micro-lens and S4    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:36 |
| S10 | 476358 | surface near10 light | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:38 |

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|     |        |  |   |    |    |                  |
|-----|--------|--|---|----|----|------------------|
| S11 | 572521 | surface with light   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 14:54 |
| S12 | 59226  | (surface with light) and (liquid adj crystal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 14:57 |
| S13 | 7123   | (surface with light) and (liquid adj crystal) and (light adj guide)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 15:24 |
| S14 | 66     | (surface with light) and (liquid adj crystal) and (light adj guide) and ((point adj light) ot LED or (light adj emit\$6 adj diode) or bulb) and micro-lens | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:36 |
| S15 | 821    | (surface near10 light) and 349/65  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:53 |
| S16 | 12     | (surface near10 light) and 349/65 and micro-lens   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 16:13 |
| S17 | 15     | (surface near10 light) and (light adj guide) and (point adj light) and (micro-lens)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:39 |
| S18 | 298    | (surface near10 light) and 349/95  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:50 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S19 | 2202 | (surface near10 light) and 362/31   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:50 |
| S20 | 917  | (surface near10 light) and 362/31 and lens  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:51 |
| S21 | 28   | (surface near10 light) and 362/31 and Micro-lens  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:51 |
| S22 | 6    | (surface near10 light) and 362/26 and Micro-lens  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:51 |
| S23 | 483  | (surface near10 light) and 362/26 and lens  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/15 17:51 |
| S24 | 274  | (surface near10 light) and 349/65 and lens  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 18:26 |
| S25 | 24   | (surface near10 light) and 349/65 and lens and anti-reflect\$4                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 17:18 |
| S26 | 1    | (surface near10 light) and 349/65 and lens and (anti-reflect\$4 near10 (light adj guide)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 17:20 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S27 | 66   | (surface near10 light) and (anti-reflect\$4 near10 (light adj guide)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 17:55 |
| S28 | 0    | (surface near10 light) and 349/65 and (lens near10 superconic)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 18:28 |
| S29 | 2    | (surface near10 light) and (lens near10 superconic)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/16 18:29 |
| S30 | 2    | (lens near10 superconic)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/17 13:48 |
| S31 | 985  | 349/65  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:34 |
| S32 | 456  | 349/95  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:34 |
| S33 | 2624 | 362/31  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S34 | 1593 | 362/26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |

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|     |      |                    |   |    |    |                  |
|-----|------|--------------------|---|----|----|------------------|
| S35 | 985  | 349/65             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S36 | 456  | 349/95             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S37 | 26   | S35 and S36        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S38 | 2624 | 362/31             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S39 | 1016 | lens and S38       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S40 | 1593 | 362/26             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S41 | 528  | lens and S40       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |
| S42 | 6    | micro-lens and S40 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/10/11 12:35 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S43 | 29   | micro-lens and S38   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/11 12:36 |
| S44 | 68   | (surface with light) and (liquid adj crystal) and (light adj guide) and ((point adj light) ot LED or (light adj emit\$6 adj diode) or bulb) and micro-lens | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/11 12:37 |
| S45 | 913  | (surface with light) and (liquid adj crystal) and ((dot adj pattern) or (c-cut adj groov\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/11 14:59 |
| S47 | 135  | (surface with light) and (liquid adj crystal) and (((dot adj pattern) or (v-cut adj groov\$4)) with (light adj guide))                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/11 15:16 |
| S48 | 5    | (surface with light) and (liquid adj crystal) and (((v-cut adj groov\$4)) with (light adj guide))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2005/10/11 15:16 |
| S49 | 1    | "20040141104".pn.  | US-PGPUB  | OR | OFF | 2005/12/06 12:20 |
| S50 | 3680 | (surface with light) and (liquid adj crystal) and (light adj guide) and (parallel non-divergent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/10 15:26 |
| S51 | 717  | (surface with light) and (liquid adj crystal) and (light adj guide) and (lens with (parallel non-divergent))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/10 15:28 |
| S52 | 4    | (surface with light) and (liquid adj crystal) and (light adj guide) and (micro-lens with (parallel non-divergent))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/10 15:27 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S53 | 1643 | 362/26  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 15:52 |
| S54 | 372  | lens and S53 and (parallel non-divergent)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 15:53 |
| S56 | 57   | lens and S53 and (parallel non-divergent) and (point adj light adj source)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 16:07 |
| S57 | 2272 | (lens same (parallel non-divergent)) and (point adj light adj source)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 16:08 |
| S58 | 635  | (lens same (parallel non-divergent)) and (point adj light adj source) and (surface adj light\$5)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 16:11 |
| S59 | 173  | ((lens same (parallel non-divergent)) near10 collimat\$4) and (point adj light adj source) and (surface adj light\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/10 16:12 |